

Record of Specification Changes FP-96 Library of Specifications (Metric)

Revised 11/05/01

Note: The following table of changes to the Library of Specifications is offered as a guide to possible changes required to the FP-96 Standard Specifications for Construction of Roads and Bridge on Federal Highway Projects. Western Federal Lands Highway Division assumes no responsibility as to the accuracy of the contents or omissions. Check all Sections in the Library of Specifications before forwarding to the Contracts/PS&E Sections. Analyze specification language to determine if it is required in specific contracts.

Specification Section	Date	Change Made	Reason for Change
101	9/15/00	Add acronym NCHRP	
101	10/8/99		
102	11/27/00	Changes previous 102.06 revision of 9/5.	
102	9/5/00	Corrects for change in FAR bonding, 102.06	
102	8/18/99	Changed A+B wording in 102.02 & 102.05	Make wording consistent w/ HUBzone & SDB clauses + correct error in calculating completion date
102	3/30/98	Added A+B options & added SCR's for 102.03 & 102.06	Direction from Tom Hildreth & Carol to use A+B more frequently
103	10/7/99	Subsection 103.03 & 103.05 Value Engineering and Partnering	
104	9/24/01	Changed Subsection 104.03	FLH Supplemental X9
104	6/4/98	Changed reference in 104.03(a)	ASTM E380 has been replaced - FLH Supp Tx5a
104	9/16/97	Changed wording in 104.03(c)(4)(a)	Minor correction of tense
104	7/4/97	Added FLH Supplemental + reformat	Require metric dimensions on dwgs
104	2/4/97	Changed example for 104.06	Use more general example wording
105	6/21/99	Reformatted header, fonts	Convert to current format
105	8/24/98	Format changes only	Correct use of (a), (1), & (a) in SS 105.02(a)
106	10/11/01	Subsection 106.01(g) adds "optimum"	
106	8/15/00	Subsection 106.01	Updates to the twentieth AASHTO edition
106	8/18/99	Revised 106.02- clarify industry std.	set order of precedence for visual acceptance
106	4/9/99	Changed date for Field Note Samples	Metric version now available.
106	9/11/98	Revised name of Form 1607	Confusion over what form we send out
106	8/26/97	Added FLH Supplemental to SS106.03 + reformatted with header & TNR font.	FLH Supplemental + new format
106	2/19/97	Changed form 1607 revision date to 10/96	So it refers to the metric form version
106	2/12/97	Changed version date for Mat'ls Manual	Version change
107	11/05/01	Revises 107.01 for MPDES requirements	

Specification Section	Date	Change Made	Reason for Change
107	07/26/01	Revises 107.10 for 30 day SHPO review	
107	07/23/01	Deletes FAR Clause reference delete in circular 97-15	
107	4/27/99	Corrected spelling of Paleontological in 107.02	typographical error
107	10/29/97	Changed wording in option B clause; Changed instr. block wording in 107.02	Correct technical legal deficiencies
107	9/16/97	Changed 107.02, reformatted	Removed redundant wording (in FP)
107	3/21/97	Changed wording in option B clause	Clarify who gets data & who talks to outside agencies
107	2/4/97	Changed wording of example for suspension	Wrong subsection reference
108	11/05/01	Revises 108.01 for MPDES requirements	
108	10/23/01	Revises instructions and format to Subsection 108.02	
108	6/11/01	Deletes paragraph (c) of Subsection 108.02.	
108	3/27/01	Revises Subsection 108.02.	FAR clause revisions
108	2/26/01	108.02 Hubzone/FAR update.	
108	9/15/00	108.02 Hubzone Clause addition.	
108	8/15/00	108.02 FAR Clause change.	
108	2/15/00	Corrects FAR title.	
108	2/14/00	Add Section 153 notification to 108.01	
108	8/18/99	Revised wording in 108.03 for A+B jobs	Correct error in calculating completion date
108	5/12/99	Changed name of FAR clause 52.219-8	FAR was changed Jan. 1999
108	2/19/99	Added work restriction for Mem. & Labor Days	Requested by Construction
108	1/11/99	Added advance notification of schedule change and added example of winter closure for 108.01	Makes it easier to ensure inspection staff is available
108	6/4/98	Hyphenated on-site and off-site in 108.02	Corrected for consistency wiuth FP-96
108	4/16/98	Changed the indent distance on two paragraphs	Typographical edit ONLY. Did not change the version date.
108	3/31/98	Added A+B options & reformatted 108.02 for consistency with the FP.	Direction from Tom Hildreth & Carol to use A+B more frequently
108	11/7/97	Added new DBE Subcontracting Clause - SS 108.02	Tom Edick memo in 11/6/97 e-mail from Bill Cross mandates use of this revised clause
108	10/15/97	Removed DBE Subcontracting Clause -	Tom Edick memo on 10/3/97 prohibits

Specification Section	Date	Change Made	Reason for Change
		SS 108.02	use of this clause
109	05/11/01	Corrects subsection reference in 109..08(f)	
109	01/18/01	Adds language to address fiscal year-end closure	
109	9/5/00	Deletes form SF 1411	X8
109	7/5/00	Adds reference to 106.01	
109	1/3/00	Adds preparatory work under 109.08(f)	Request by Construction Branch
109	5/12/99	Added 1 st paragraph of 109.06(a)(3)	FAR 52.215-23 changed to 52.215-11
109	6/4/98	Added 109.01 for metric units	FLH Supplemental - Tx5a
109	4/27/98	Revised SS 109.08 - Extensive re-write Note: The previous SCR's and FLH Supplemental are included in the re-write.	Clarify Progress Payment procedure
109	8/26/97	Changed wording for withholding progress payments + Reformatted	FLH Supplemental + new format
109	3/17/97	Changed closing date for progress payments	Minimize conflict with FY end closure
152	10/8/99	???	
152	8/20/99	Changed 'eighth para.' to 'tenth para.' in 152.02	Correct error - wrong reference for delete/sub.
152	8/18/99	Changed wording in 152.02, 152.03(a), (b), (d), & (f)	Show wording to use if only control points are provided, clarify that clearing is to be set from actual catch, clean up other wording
152	2/9/99	Moved list of req'd work to 152.03A, Added wording to 152.05 referring to the list, Added "whiskers" to the cleanup list	Clarify scope of LS item, clarify cleanup
152	4/27/98	Removed SS 152.02 wording regarding pay notes Changed format of 152.03 (bullets instead of letters)	Move this work to Sec. 153 - keep separate from survey Avoid confusion with existing paragraph labels
152	10/20/97	Reformatted entire SCR (headers, fonts)	New format
152	10/15/97	Changed format of paragraph 152.03 (e)	Make it consistent with other para's
153	7/5/00	Deletes repetitious language in 153.06 already in subsection 109.01	
153	2/14/00	Deletes and revises entire Section	Est. QC leader and pay item if necessary
153	4/27/98	Added requirements for pay note submittals	To get pay notes daily instead of monthly
154	10/18/01	Revises laboratory trailer requirements (154.04A)	
154	10/7/99	???	

Specification Section	Date	Change Made	Reason for Change
154	9/30/99	Revises 154.02 Sampling	FLH Supp. No. 7
154	2/9/99	Changed FAR refs in 154.04A	Coordinate applicable clauses
154	11/25/98	Removed Ignition Furnace, changed power requirements for lab trailer	We have enough furnaces, furnaces in lab trailers mean larger power source needed
154	11/4/97	Reformatted; changed "schedule" to "frequency" in last paragraph of 154.02	Make consistent with Table - avoid confusion over random schedule
154	2/4/97	Changed wording of 'completion date'	Avoid any misunderstanding of terms
155	7/8/98	Removed "calendar" from in front of "day". Changed updates to 15 th of each month.	Requested by Constr. So timing is staggered from progress estimates.
155	8/26/97	Re-arranged instruction blocks, applied CPM to ALL projects, changed wording in 155.06 to match FLH Supplementals	Get CPM in all jobs (per Jane T.) and labels which spec is an FLH Supplemental
155	2/4/97	Changed approval to acceptance, deleted SS 155.07 (same as FP)	Requested by Jane T., we can 'accept' without 'approving' a schedule
156	10/7/99	???	
156	2/19/99	Revised time frames for weekend restriction	Requested by Construction
156	6/26/98	Removed the term "legal" from in front of 'holiday' in 156.06	Requested by Jim Zotter for consistency with FP.
156	11/4/97	Added measurement for TSS (under 635)	Provides payment where intended
201	9/12/96	???	
202	9/12/96	???	
203	9/5/00	Subsection 203.05(c)	FLH Supp. No. X8
204	2/9/99	Revised wording of 204.14	Writes entire paragraph into SCR
204	1/11/99	Added topping specs + changed compaction	Provides instruction to designers + refines compaction for better suitability.
204	9/18/97	Changed table to read Liquid "Limit" instead of 'Index' Also reformatted	Correct Error + re-format
204	2/26/97	Changed 152.03() to 152.03(c)	It is no longer variable - it stays as (c)
205	1/13/97	???	
207	1/14/97	???	
208	9/5/00	Revises Subsection 208.13	FLH Supp. No. 8
208	9/30/99	Revises 208.04	FLH Supp. No. 7
208	9/30/99	Revises 208.06	FLH Supp. No. 7
209	4/27/99	Corrected spelling in table and table lead-in	typo error
210	11/4/97	Deleted entire SCR	Not needed -

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212	9/5/00	Added clearing & grubbing changes/no pay.	FLH Supp. No. 8
251	9/24/01	Deletes and substitute entire Section	FLH Supplemental X9
251	11/4/97	Minor wording changes in 251.06 A, B, & C; added "in place" to measurement by m3.	Editorial corrections.
253	2/23/99	???	
255	10/8/98	Removed soil reinforcement from material list, reformatted header, changed 1st instruction block	720.01(k) material reference is no longer an SCR. The FP covers this with 720.01(h).
258	2/9/99	Rewritten throughout - added 258.03 & 258.06	Provides wording to use IF structure exc. is to be paid.
258	2/14/97	Added acceptance under 208, added instructions	Makes acceptance conform to measurement
261	1/15/97	Changed language in 261.02, 261.08, & 261.09, moved geotext. acceptance to 261.08	Conform to FP96 language, correct errors
301	8/23/01	Deletes commercial source reference and restates sampling requirements	
301	6/06/01	Revises gradation requirements for Grading H	
301	10/7/99	???	
301	9/30/99	Adds 301.08(a) Aggregate gradation	FLH Supp. No. 7
301	7/2/99	Changed 106.05 table for subbase A (categories for 25 mm & 12.5mm)	Correct error (approved version had cat. II for these sieves)
301	5/27/99	Additional work on tables - added final product spec's for subbase	correct omission of needed subbase data
301	5/20/99	Corrected acceptance tables	Sample location was listed under frequency for production testing of surfacing course.
301	1/19/99	Changed 301.05 to show that the Gov't will do the Humphres test.	To agree with the way it is actually done.
301	9/18/97	Changed LL & PI in Acceptance Table to Category II for Surface Course Aggregate Also reformatted the file	High degree of subjectivity in test procedure (problem w/ OMAD 18(29))
305	9/24/01	Changed material subsection reference	Due to FLH Supplemental X9
305	2/25/97	???	
307	1/15/97	???	
309	8/23/01	Deletes commercial source reference and restates sampling requirements	
309	5/3/00	Adds resubmittal for new target values, 309.04	Makes consistant with 301.04

Specification Section	Date	Change Made	Reason for Change
309	5/18/99	Rearranged table, adjusted to fit HP8100 printer	Put compaction after statistical acceptance
309	2/23/99		
309	12/15/98	Changed instructions for 309.03 and 309.08. Changed wording in 309.05 to indicate Gov't will do the Humphres curve	Makes SCR consistent with what we've been doing.
310	7/12/01	Clarifies measurement	
310	7/26/00	Add previously referenced compaction spec from 204.11(a). Corrects new aggregate reference.	
401	9/17/01	Changes mineral filler requirement in Subsection 401.09	
401	8/23/01	Deletes commercial source reference and restates sampling requirements	
401	8/10/00	Clarifies mix design	
401	7/15/99	Revised smoothness incentive to non-statistical approach - same as prior to FP96	Improves correlation between incentive payments and overall product quality
401	5/18/99	Adjusted table to fit HP8100 printer, changed font size for subheaders in table	To make it consistent with other Sections
401	4/15/99	Added header to say "delete..substitute"	Corrects oversight in version app'd 2/9/99
401	2/9/99	Rewrote as entire Section, changed some requirements in mix design & startup	Improve clarity + bring some of our methods more in line with other agencies in our region
401	9/17/98	Deleted wording regarding longitudinal joints	Conform to FP96 policy (24 hr exposure allowed)
401	9/22/97	Changed instruction box for 401.19; Added wording to 401.17(f)(6)	Clarify that there is no pay adjustment for SHRP oil; explain what cert. is for
401	8/26/97	Indicates profilograph in middle of each lane change instructions for acceptance of asphalt cement	Added as FLH Supplemental + reformat -- provide for measured & tested on SHRP asphalt
402	7/2/99	Reformatted, changed tolerances for alignment	Tolerances too tight -bad conversion from FP92
407	8/23/01	Deletes commercial source reference and restates sampling requirements	
407	1/16/97	Added table	Consistency with FP & other SCR's
408	1/16/97	Adds table.	
409	8/23/01	Deletes commercial source reference and restates sampling requirements	
409	8/1/99	Reformatted (header + column width)	Make it compatible with new printers
411	7/24/00	Adds compaction req. to 411.06	

Specification Section	Date	Change Made	Reason for Change
411	2/9/99	Added more requirements in 411.02 & 411.06	Tailor SCR to work with inverted prime coat
412	12/9/98	Deleted wording for subsidiary tack if two lifts are optional.	Removes confusion from policy change of 1996.
418	10/7/99	???	
551	4/19/99	Revised & reformatted pile hammers	General improvement
552	8/23/01	Deletes commercial source reference and restates sampling requirements	
552	9/5/00	Revises 552.02 and Table 552-1	FLH Supp. No. X8
552	9/1/00	552.03 and Table 552-7.	Technical improvements.
552	4/19/99	Revised spec for hydration stabilizer	Improvements suggested by manufacturers
552	9/30/98	Typographical changes only (instruction blocks)	Font type and size chnged for consistency. SCR remains dated as 10/29/97
552	10/30/97	Added FLH Supplemental to 552.03(l); Changed Table to correct moisture testing	Add FLH Supplemental & correct error in test method
553	4/19/99	Added wording re:waterproof membrane	need smooth surface to seal
554	4/26/99	Changed table of bar size equivalents	Keep up with current policy
554	8/26/97	Added FLH Supplemental for Hard Metric designs + reformatted	Add FLH Supplemental
554	3/12/97	Updated rebar table to soft metric sizes, and changed Specification designations.	Keep up with current policy
555	10/7/99	???	
555	9/30/99	Revises Subsection 555.06(b)	FLH Supp. No. 7
555	4/19/99	Added certification of steel fabricating plant	
557	4/19/99	Added glu-lam spec's	
559	2/23/99	???	
562	9/30/99	Revises entire Section	FLH Supp. No. 7
562	4/19/99	Added restriction for stay-in-place forms	WFLHD Structures policy
565	8/23/01	Deletes commercial source reference and restates sampling requirements	
565	4/19/99	???	
601	9/24/01	Adds coloring agent language	FLH Supplemental X9
601	7/26/99	Changed format on Table 601-2	Ease of editing project spec's
601	4/19/99	Added hydration stabilizer	Keep up with current policy
602	9/24/01	Changed Subsection 602.03, .05, & .06	FLH Supplemental X9

Specification Section	Date	Change Made	Reason for Change
602	2/23/99	???	
602	10/30/97	Added FLH Supplemental	Add FLH Supplemental
603	1/16/97	Adds table	
604	1/17/97	Adds table	
605	9/24/01	Changed Subsection 605.03	FLH Supplemental X9
605	4/13/98	Deleted "Repair of damaged coatings" + reformatted the header	This referenced a Subsection which no longer exists - the FP now relies on AASHTO M36M.
609	1/17/97	Adds table	
611	1/17/97	Adds table	
613	3/31/98	Took out the project specific language & added an instruction block to indicate it is an example only.	Designer misunderstood it to apply to all projects.
613	1/23/97	Took out the 708 spec, highlighted instruction	Put 708 back in 700 division
614	4/19/99	Adds SCR for flowable fill	Improves on FP for particular applications
615	9/24/01	Changed Subsection 615.04(a)(1) and (3)	FLH Supplemental X9
615	1/17/97	Adds table	
617	9/24/01	Changed Subsection 617.01(d), 617.03, 617.04(b), & 617.05	FLH Supplemental X9
617	01/10/01	Adds language to Subsections .01 and .05 for flared and tangent terminals	
617	10/30/97	Added FLH Supplementals; Changed Instruction Blocks	Add FLH Supplementals & clarify usage of clauses.
618	3/17/97	Deleted entire SCR	Not needed
619	1/17/97	Adds table	
620	9/24/01	Changed Subsection 620.04	FLH Supplemental X9
622	3/19/97	Add description of work and equipment	
623	2/23/99	Furnishes operator for equipment w/o in 622	
624	1/17/97	Adds table	
625	9/24/01	Changed Subsection 625.07(b)	FLH Supplemental X9
625	2/23/99	???	
625	4/13/98	Deleted 'seed areas inaccessible...by hand' in SS 625.07	This is already stated in the FP
625	10/30/97	Change application rate to kg per ha	Corrects error (English units)
625	8/26/97	Adds FLH Supplemental	Corrects error in FP (English unit)
626	9/24/01	Changed Subsection 626.05, .06, .07(b), &	FLH Supplemental X9

Specification Section	Date	Change Made	Reason for Change
		.13	
626	8/26/97	Adds FLH Supplemental	Corrects omission in FP
633	4/30/96	???	
634	9/5/00	634.03Adds removal of conflicting markings statement.	
634	3/31/98	Changed Subsection number for measurement	Correct error
635	8/18/99	Changed TCL duties, require DE approval for use of TCL, move "interim" markings from 635.13 to 635.13A, revise payment schedule	Limit abuse of TCL item, clarify interim situation, make measurement of devices easier for project staff
635	8/26/97	Added FLH Supplementals for .05, .06, .08, .09, and .14	Change retroreflectivity requirements
635	1/23/97	Added 'temporary' to RPM's for vehicle positioning guides	Clarify veh. pos. guides for temporary markings under interim condition
640	10/7/99	Removal of Concrete By Hydrodemolition (Added Section)	FLH Supp. No. 6
701	9/24/01	Changed Subsection 701.01	FLH Supplemental X9
701	4/19/99	Same as 9/18/96 version	
702	10/7/99	Added other asphalt types	
702	9/30/99	Revises 702.10	FLH Supp. No. 7
702	7/29/97	Changed title to "Asphalt", re-formatted	Make it agree with FP-96
703	9/24/01	Changed Subsection 703.10 & .18	FLH Supplemental X9
703	9/7/00	Revises Subsection 703.02	FLH Supp. No. 8
703	4/24/00	Revises par. (a) and adds table to par. (c)	Adds gradation for surface courses
703	9/30/99	Revises Subsection 703.02(b)	FLH Supp. No. 7
703	9/30/99	Revises Subsection 703.05(a)(5)	FLH Supp. No. 7
703	9/30/99	Revises Subsection 703.07(a)(3)	FLH Supp. No. 7
703	9/30/99	Revises Subsection 703.08(a) & (b)	FLH Supp. No. 7
703	9/30/99	Revises Subsection 703.09(a)(3)	FLH Supp. No. 7
703	9/30/99	Revises Subsection 703.10(F) & (g)	FLH Supp. No. 7
703	8/1/99	Added Subsection 703.10 to change sieve size in Table 703-7.	Correction of error in FP - this change is the same as the FLH Supplemental for Table 703-6.
703	7/29/97	Added 703.09 to revise Table 703-6	Add FLH Supplemental to correct error in seive size
704	9/18/96	Adds select borrow requirements	
705	9/24/01	Changed Subsection 705.02	FLH Supplemental X9

Specification Section	Date	Change Made	Reason for Change
706	10/7/99	???	
706	5/8/97	Changed type S or SP to C or CP for tubing	Minimize cost for underdrain
708	10/7/99	???	
708	9/30/99	Revises Subsection 708.01(b)(1)	FLH Supp. No. 7
708	9/30/99	Revises Subsection 708.04	FLH Supp. No. 7
708	1/23/97	Moved from old 613 SCR	Put 708 back in 700 division
709	2/23/99	???	
709	8/27/97	Added FLH Supplementals	For SOFT metric rebar sizes
710	10/7/99	???	
710	9/30/99	Revises Subsection 710.08	FLH Supp. No. 7
710	8/27/97	Added FLH Supplemental for G-rail posts	Correct FP96 error - refer to ARTBA
711	9/24/01	Changed Subsection 711.05	FLH Supplemental X9
711	10/7/99	???	
711	4/19/99	Added subsection for hydration stabilizer	Companion spec to 552 & 601
712	9/24/01	Changed Subsection 712.01(a)(5)	FLH Supplemental X9
712	10/7/99	???	
712	9/30/99	Revises Subsection 712.01(c)	FLH Supp. No. 7
712	9/30/99	Revises Subsection 712.01(e)	FLH Supp. No. 7
712	9/30/99	Revises Subsection 712.01(f)	FLH Supp. No. 7
712	9/30/99	Revises Subsection 712.01(g)	FLH Supp. No. 7
712	9/30/99	Revises Subsection 712.03	FLH Supp. No. 7
712	9/30/99	Revises Subsection 712.05	FLH Supp. No. 7
712	4/19/99	Added flexible cellular joint sealer & mortar	Requested by Structures
713	10/7/99	???	
713	9/30/99	Adds Subsection 713.05(i)	FLH Supp. No. 7
713	9/30/99	Revises Subsectio 713.07(a)(2)(b)	FLH Supp. No. 7
713	9/30/99	Revises Subsection 713.16	FLH Supp. No. 7
713	1/11/99	Corrected typo in FLH Supplemental 713.07	Changes 713.07(A)(2)(b) to 713.07(a)(2)(b)
713	10/30/97	Add FLH Supplemental	Avoid conflict with Std. Drawings
713	8/29/97	Add FLH Supplemental for 713.07(a)(2)(b)	Change excelsior fiber length
716	4/19/99	Added wording for glu-lams, revised treatment, added explanation of treatments	General improvement

Specification Section	Date	Change Made	Reason for Change
716	4/2/98	Added the abbreviation (CCA)after the third treatment + reformatted the header	Correct an error of omission
717	1/24/01	Revises deleted AASHTO references	AASHTO M183 to ASTM A 36 AASHTO M 222 to ASTM A 588
717	7/13/00	Revises 717.04(a) Steel Castings	AASHTO M 192M replaced by M103
717	9/30/99	Revises Subsection 717.06	FLH Supp. No. 7
717	9/30/99	Revises Subsection 717.09	FLH Supp. No. 7
717	9/30/99	Revises Subsection 717.10	FLH Supp. No. 7
717	9/30/99	Revises Subsection 717.11	FLH Supp. No. 7
717	9/30/99	Revises Subsection 717.13	FLH Supp. No. 7
717	9/30/99	Revises Subsection 717.16	FLH Supp. No. 7
717	4/19/99	Added spec to revise requirements for small amounts	M270 steel is not readily available for rolled shapes in small quantities
718	10/7/99	???	
718	9/30/99	Revises Subsection 718.04	FLH Supp. No. 7
718	9/30/99	Revises Subsection 718.08(b)	FLH Supp. No. 7
718	9/30/99	Revises Subsection 718.13	FLH Supp. No. 7
718	9/30/99	Revises Subsection 718.14	FLH Supp. No. 7
718	9/30/99	Revises Subsection 718.15	FLH Supp. No. 7
718	9/30/99	Revises Subsection 718.16	FLH Supp. No. 7
718	9/30/99	Revises Subsection 718.20	FLH Supp. No. 7
718	8/29/97	Add FLH Supplemental for Steel U-channel posts	Adds info to replace ASTM A 499 which was withdrawn.
720	2/23/99	???	
725	9/24/01	Adds Subsection 725.29	FLH Supplemental X9
725	10/7/99	???	
725	9/30/99	Revises Subsection 725.11	FLH Supp. No. 7
725	4/19/99	Added neat cement grout	
725	8/29/97	Add FLH Supplemental for plastic lining	Changes req'ts to service life only